

# Radha Pandey

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## EDUCATION

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Master of Technology in Computer Science  
**NIT Jalandhar**  
CGPA: 7.34/10

*2019 - Present*

Bachelor of Engineering in CSE  
**Vivekananda Global University**  
CGPA: 8.8/10

*2013 - 2017*

## PROJECTS

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### **Object Detection & Tracking for Autonomous Vehicle**

MTech Project

Working on problem for tracking object like Cars, Peoples, Balls across series of video frames. I am also planning to calculate distance between vehicles, detect curves on road and collision detection. Currently doing the literature survey of tracking by detection methods.

### **Reconstruction and Classification of MNIST Dataset**

Course Project

MNIST is a handwritten dataset, originally has 60,000 digits with 784 (28x28) dimensions in its training set. In this assignment, various ML algorithm has been used to accuracy. I had also used some dimension reduction technique like PCA, random projection on this dataset.

### **Prediction of Flowers type Using decision Tree**

I had used Iris Dataset in this project for multi-class classification task. There were 3 classes of flowers and my task was to predict class of flower using features like length and width of sepals and petals. I designed decision tree algorithm from scratch for multi-class classification problem and achieved accuracy of around 98% after parameter tuning.

### **Bank Management System**

Programming Language: C

This enables us to you can create a new account, update information of an existing account, view and manage transactions, check the details of an existing account, remove existing account and view customers' list.

## INTERNSHIPS

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GirnarSoft, Jaipur

*Jan 2017- July 2017*

## COURSES

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Algorithm, Machine Learning, Big data, Decision Support System, Advanced Computer Network, Software project Management.

## SKILLS

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- Coding Language: C, Python, C++
- Good Understanding of Python basic libraries that i used in machine learning projects for data preprocessing and visualizations like numpy, Pandas, matplotlib.
- Good Knowledge of SQL, Transactions
- Basic Understanding of Computer network and Operating System.

## ACHIEVEMENTS

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- Secured 1st Rank in Poster competition in National Conference on Recent trends of Transistor.
- Secured 3rd rank in MTEA (Mathematical Technique in Engineering Applications).
- Completed Live Project based Training on Industrial Robotics (Vertex Group) in 2015

## INTERESTS AND ACTIVITIES

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Technical: Machine Learning, Software development

Others: Crafting

## VOLUNTEER EXPERIENCE

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- Core Team member in College Annual Fest (Panache 7).